

**METHOD AND APPARATUS FOR DATA RECOVERY OPTIMIZATION
IN A LOGICALLY PARTITIONED COMPUTER SYSTEM**

ABSTRACT OF THE DISCLOSURE

5 A protection utility for compiled data in a computer system having dynamically
configurable logical partitions determines the time for rebuilding compiled data, and
selectively stores data in a form not requiring rebuild to meet a pre-specified recovery time
limit. If the configuration changes, the protection strategy is automatically migrated to adapt
to the new configuration. Preferably, the compiled data is multiple database indexes, which
are selectively logged to reduce recovery time. Logging is selectively discontinued or
10 extended responsive to changes in partition configuration, allowing a gradual migration to
the target recovery time using the new set of configured resources.